



TOOL COMPOUNDS

make your research faster and easier



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Our Advantages

About Us



Targets molecules in your research

800+

COMPOUND LIBRARIES

20,000+

INHIBITORS & AGONISTS

16,000+

NATURAL PRODUCTS

13,000+

RECOMBINANT PROTEINS

About Us

TargetMol Chemicals Inc. is headquartered in the Greater Boston area, MA, and specializes in products and services that serve the research needs of chemical and biological scientists worldwide. With a client base in 50+ countries, TargetMol has evolved into one of the biggest global research suppliers for compound libraries and inhibitors & agonists.

Our Products

We offer over 800 types of compound libraries and a wide range of high-quality research chemicals, including inhibitors, agonists, natural products, peptides, antibodies, and biologics including recombinant proteins and novel life-science kits.

Our Services

Our lab allows us to conduct CADD (computer-aided drug design) and chemical synthesis to meet the customization needs of our clients.

Products & Services



Compound Libraries

Clear Classification

800+ libraries

Continuous Update

Customization



Inhibitors & Agonists

High Coverage

20,000+ products
3,000+ subtypes
480+ receptors
25 signaling pathways
200+ new compounds/month

High Quality

HPLC
NMR
LC-MS

Cost Effective

Do more with less



Reagent Kits

Protease Inhibitor Cocktail
Phosphatase Inhibitor Cocktail
Deacetylase Inhibitor Cocktail
BCA Protein Quantification Kit
CCK-8
Ripa Lysis Buffer



Compound Synthesis

Rapid synthesis

15,000 ready-to-make complex compounds

Custom synthesis



CADD

Large Database

>26M Structures

Led by Professional

10+ years of experience

Lower Cost

Saves time & Money
Holistic database
Excellent resupply ability



Recombinant Proteins

Extensive Protein Categories
13,000+ products

Diverse Species & Expression Systems

High Purity & High Stability & Low Endotoxin

Small Molecules

Some of our most popular small molecules



TargetMol Kits

Cocktails



Protease Inhibitor Cocktail	C0001
Phosphatase Inhibitor Cocktail I	C0002
Phosphatase Inhibitor Cocktail II	C0003
Phosphatase Inhibitor Cocktail III	C0004
Deacetylase Inhibitor Cocktail	C0048



RIPA Lysis Buffer

RIPA Lysis Buffer(Strong)	C0045
RIPA Lysis Buffer(middle)	C0046
RIPA Lysis Buffer(weak)	C0047



Cell Counting Kit-8

Cell Counting Kit-8 (CCK-8)	C0005
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BCA Protein Quantification Kit

BCA Protein Quantification Kit	C0050
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Hot Selling Inhibitors

PI3K/Akt/mTOR signaling

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Alpelisib	T1921	Rabusertib	T6084	GJ103 sodium salt	T4251
3-Methyladenine	T1879	Duvelisib	T1988	Salidroside	T2717
Rapamycin	T1537	APY0201	T2061	Osu03012	T2466
BI-D1870	T6171	MOMIPP	T33467	ARN-3236	T5993
Osimertinib	T2490	Torin 1	T6045	Forskolin	T2939
MK-2206 dihydrochloride	T1952	Metformin	T8526	Desmethylglycinein	TN1299
Ly294002	T2008	(E)-Akt inhibitor-IV	T9393	Everolimus	T1784

Angiogenesis

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Quizartinib	T2066	Pemigatinib	T12401	Crenolanib	T2677
Ibrutinib	T1835	Erdafitinib	T3726	Semaxinib	T2064
Lenvatinib	T0520	SGI-7079	T6982	PX-478	T6961
Ribociclib	T6199	Pexidartinib	T2115	A83-01	T3031
Orelabrutinib	T12317	Gilteritinib	T4409	SB-431542	T1726

Proteases/Proteasome

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
GK921	T3968	Leupeptin Hemisulfate	T6564	Z-IETD-FMK	T7019
Azvudine	T14489	CHLOROQUINE	T8689		

MAPK

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Sotorasib	T8684	Encorafenib	T6487	LY3009120	T6882
MRTX1133	T9303	SCH772984	T6066	PLX8394	T3579
Adagrasib	T8369	Takinib	T4264	Dabrafenib	T1903

Stem Cells

Product Name	Catalog #	Product Name	Catalog #
C-82	T10641	Y-27632 dihydrochloride	T1725
RKI-1447	T1898	CHIR-99021	T2310
XAV-939	T1878	Verteporfin	T3112

Cell Cycle/Checkpoint

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Adavosertib	T2077	Zoliflodacin	TQ0063	LY 345899	T15827
Palbociclib	T1785	JSH-150	T8484	Abemaciclib	T2381
PF-06873600	T8463	Centrinone	T14927	THZ1	T3664
MYC975	T12133	Ro5-3335	T4687	Onvansertib	T6247
ON-01910	T6070	COH29	T3157	Seclidemstat	T4527

DNA Damage/DNA Repair

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Bleomycin Sulfate	T6116	Oxaliplatin	T0164	Favipiravir	T6833
Branaplam	T4641	Decitabine	T1508	RBN012759	T22414
Ceralasertib	T3338	Vidofludimus	T2601	Temozolomide	T1178
Cisplatin	T1564	Dxd	T11249L	Olaparib	T3015

Apoptosis

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Fedratinib	T1995	Paclitaxel	T0968	Mezigdomide	T10703
Z-VAD(OMe)-FMK	T6013	Y-27632	T1870	Venetoclax	T2119
Erastin	T1765	Navitoclax	T2101	Deferoxamine Mesylate	T1637
MG-132	T2154	SB 202190	T2301	Doxorubicin hydrochloride	T1020
STM2457	T9060	Angiotensin II human	T7040	Z-VAD-FMK	T7020
RSL3	T3646	Eragidomide	T10765	Piperazine Erastin	T16540
Ferrostatin-1	T6500	Bafilomycin A1	T6740	Bafilomycin A1	T6740

NF-κB

Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
MCC950 sodium	T6887	Zinc Protoporphyrin	T13396	Aucubin	T3416
Squalene	T4749	Okanin	TN2008	Necrostatin-1	T1847
Dapansutriole	T15052	Nigericin sodium salt	T3092	Dendrophenol	T3S1707

GPCR/G Protein

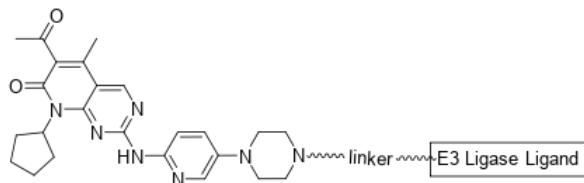
Product Name	Catalog #	Product Name	Catalog #	Product Name	Catalog #
Empagliflozin	T1766	Prostaglandin E2	T5014	Adagrasib	T8369
Phorbol 12-myristate 13-acetate	TQ0198	Orfoglipron	T11408	TG6-10-1	T2428
Liraglutide	T6876	Serotonin	TN2437	MRTX1133	T9303
Gastrin I, human	TP2030	Volinanserin	T5389	PF-06882961	T12431
Etrasimod	TQ0227	Sotorasib	T8684	PF-04418948	T3306

* All products are for Research Use Only. Not for Human or Veterinary or Therapeutic Use.

Custom Synthesis

One-stop solution to Custom synthesis

Complex Structure Synthesis



proteolysis targeting chimeras (PROTAC)

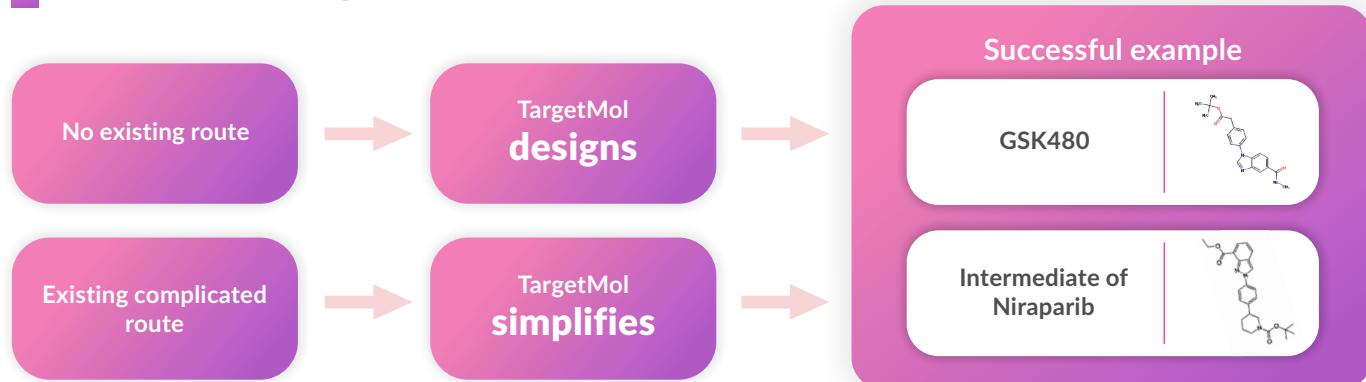
Complicated structures

- ✓ chiral structures
- ✓ polycyclic structures
- ✓ long chains
- ✓ up to 20-step reactions

Multi-component reactions

- ✓ Ugi reaction
- ✓ Mannich reaction
- ✓ Suzuki reaction

Route Development



Lead Optimization

Employing SAR (structure-activity relationship) and structure-based design,
TargetMol helps you get



Analogs

- ✓ Improved potency
- ✓ Reduced off-target activities
- ✓ Reasonable in vivo pharmacokinetics suggested by physiochemical/metabolic properties



Resupply Ability

We are able to provide synthesized products in bulk.

- ✓ Hundred grams

- ✓ Kilograms

Saves your worry from sourcing and repurchasing compounds for follow-up research.

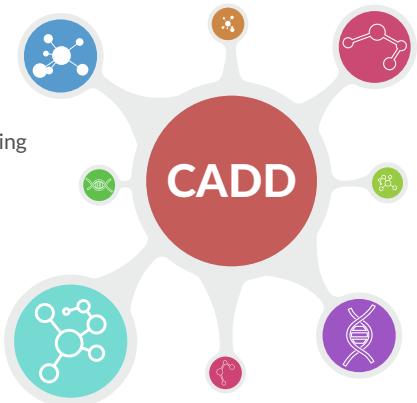
CADD

(Computer-Aided Drug Design)

Various CADD Services Offered by Targetmol

Molecular Docking/Virtual Screening

We provide molecular docking services to explore the interaction mode between protein and small molecules/peptides/proteins; Meanwhile, we offer virtual screening services based on target/ligand structure, thereby reducing the number of compounds to be screened by focused screening and improving the efficiency of lead compound discovery.



Protein Simulation & Prediction

We offer homology modeling services to predict the 3D structure of proteins from amino acid sequences; We also provide target fishing services to find possible targets for bioactive compounds.

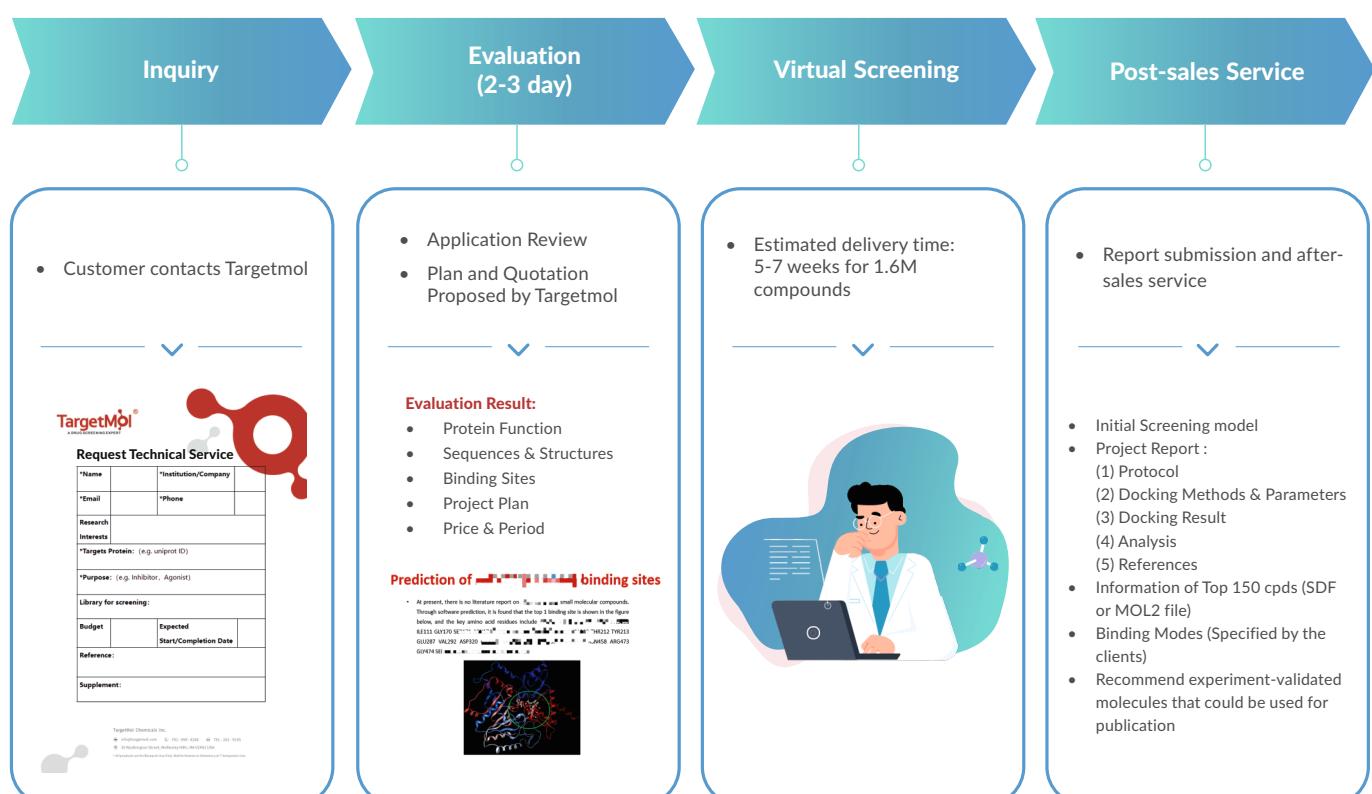
ADMET Prediction

Using ADMET platform to predict the absorption, distribution, metabolism, excretion and toxicity properties of small molecules in the human body to reduce the elimination rate of candidate molecules and increase the success rate of drug development.

Lead Optimization Scaffold Hopping

Based on the experiment requirements, design and optimize high-quality small molecule derivatives. Find drug molecules with novel structures through the method of scaffold hopping, and obtain hit compounds without intellectual property protection.

General Process of CADD service



Compound Libraries

Some of our most popular compound libraries

● I Focused Bioactive Libraries

For drug screening, cell induction, drug repurposing, mechanism research, target identification, positive control and other related research fields.

1.1 Recommended Bioactive Libraries

Approved Drug Library	L1000
Clinical Compound Library	L3400
Bioactive Compound Library	L4000
Bioactive Compound Library Max	L4010
Featured Novel Bioactive Compound Library	L4150
FDA-Approved Drug Library	L4200
Drug Repurposing Compound Library	L9200

1.2 Approved/Repurposing Libraries

Approved Drug Library	L1000
FDA-Approved & Pharmacopeia Drug Library	L1010
Clinical Compound Library	L3400
Preclinical Compound Library	L3410
FDA-Approved Drug Library	L4200
NMPA-Approved Drug Library	L4210
Drug Repurposing Compound Library	L9200

1.3 Disease-Focused Libraries

Anti-Viral Compound Library	L1700
Anti-COVID-19 Compound Library	L1710
Anti-Infection Compound Library	L1800
Anti-Diabetic Compound Library	L1900
Anti-Cancer Compound Library	L2100
Anti-Cancer Approved Drug Library	L2110
Anti-Cancer Clinical Compound Library	L2120
Anti-Cancer Metabolism Compound Library	L2130
Cancer Cell Differentiation Compound Library	L2140
Anti-Cancer Drug Library	L2150
Chemotherapy Drug Library	L2151
Targeted Therapy Drug Library	L2152
Anti-Cancer Active Compound Library	L2160
Immuno-Oncology Compound Library	L2170
Anti-Cancer Compound Library Plus	L2180
Anti-Lung Cancer Compound Library	L2190
Anti-Breast Cancer Compound Library	L2191
Anti-Pancreatic Cancer Compound Library	L2192
Anti-Liver Cancer Compound Library	L2193
Anti-Neurodegenerative Disease Compound Library	L2620
Anti-Fungal Compound Library	L4500
Anti-Parasitic Compound Library	L4510
Anti-Bacterial Compound Library	L4520
Anti-Nervous System Disease Library	L4660
Immunology/Inflammation Compound Library	L4700
Nonsteroidal Anti-Inflammatory Compound Library	L4710
Anti-Metabolism Disease Compound Library	L5200
Anti-Cardiovascular Disease Compound Library	L5400
Anti-Obesity Compound Library	L7100
Anti-Hypertension Compound Library	L7110
Anti-Aging Compound Library	L8200
Hematonosis Compound Library	L8400
Anti-Fibrosis Compound Library	L9810
Anti-Parkinson's Disease Compound Library	L9830

Anti-Alzheimer's Disease Compound Library	L9840
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1.4 Target/Pathway-Focused Libraries

Protease Inhibitor Library	L1100
Microtubule-Targeted Compound Library	L1110
AMPK-Targeted Compound Library	L1120
Epigenetics Compound Library	L1200
PI3K-AKT-mTOR Compound Library	L1300
Cytoskeletal Signaling Pathway Compound Library	L1310
MAPK Inhibitor Library	L1400
GPCR Compound Library	L1500
Nuclear Receptor Compound Library	L1510
GPCR Compound Library Plus	L1580
Kinase Inhibitor Library	L1600
FDA-Approved Kinase Inhibitor Library	L1610
Inhibitor Library	L2000
Tyrosine Kinase Inhibitor Library	L2200
Ion Channel Inhibitor Library	L2300
Neuronal Signaling Compound Library	L2600
Neurotransmitter Receptor Compound Library	L2610
Adrenergic Receptor-Targeted Compound Library	L2700
Serotonin Receptor-Targeted Compound Library	L2800
Autophagy Compound Library	L3200
Histamine & Melatonin Receptor-Targeted Compound Library ..	L3300
Methylation Compound Library	L3510
Cytokine Inhibitor Library	L3600
JAK-STAT Compound Library	L3700
NF-κB Signaling Compound Library	L3800
DNA Damage & Repair Compound Library	L3900
TGF-beta/Smad Compound Library	L4100
Wnt/Hedgehog/Notch Compound Library	L4300
Angiogenesis related Compound Library	L4800
Mitochondria-Targeted Compound Library	L5300
Calcium Antagonist Library	L7200
Potassium Channel Blocker Library	L7300
Sodium Channel Blocker Library	L7400
Chemokine Inhibitor Library	L7600
Cell Cycle Compound Library	L8100
HIF-1 Signaling Pathway Compound Library	L8500
Ubiquitination Compound Library	L8600
Ferroptosis Compound Library	L8700
Cuproptosis Compound Library	L8710
Apoptosis Compound Library	L9000
Phosphatase Inhibitor Library	L9100
Exosome Compound Library	L9420
Endoplasmic Reticulum Stress Compound Library	L9700

1.5 Characteristic Bioactive Libraries

Transcription Factor-Targeted Compound Library	L1380
Nucleotide Compound Library	L1720
Endocrinology-Hormone Compound Library	L2400
Human Endogenous Metabolite Library	L2500
Lipid Metabolism Compound Library	L2510

Glycometabolism Compound Library	L2520
Glycolysis Compound Library	L2521
Mouse Metabolite Compound Library	L2530
Gut Microbial Metabolite Library	L2540
Glutamine Metabolism Compound Library	L2550
Metabolism Compound Library	L2560
Human Metabolite Library	L2570
Oxidation-Reduction Compound Library	L2900
Antioxidant Compound Library	L2910
Hematopoietic Toxicity Compound Library	L3100
Histone Modification Compound Library	L3500
DNA Damage and Repair Compound Library Plus	L3980
Antibiotics Library	L4400
Cardiotoxicity Compound Library	L4900
Fluorochemical Library	L5100
Toxic Compound Library	L5500
Drug-induced Liver Injury (DILI) Compound Library	L5510
Drug Metabolite/Impurity Library	L5800
CNS-Penetrant Compound Library	L5900
Bioactive Lipid Compound Library	L7000
Coagulation and Anticoagulation Compound Library	L7500
Neural Regeneration Compound Library	L7700
Osteogenesis Compound Library	L7900
Stem Cell Differentiation Compound Library	L8000
Reprogramming Compound Library	L8110
Chromatin Modification Compound Library	L8300
Food Additive Library	L9001
Pediatric Drug Library	L9210
ReFRAME Related Library	L9230
Macrocyclic Compound Library	L9300
PPI Inhibitor Library	L9400
Covalent Inhibitor Library	L9410
Cysteine Covalent Library	L9411
Target-Focused Phenotypic Screening Library	L9500
Peptide Compound Library	L9600
Cyclic Peptide Library	L9610
Beta-Lactam Compound Library	L9820
Orally Active Compound Library	L9850
Antiparasitic Natural Product Library	L6620
Anti-Tumor Natural Product Library	L6700
Anti-Inflammatory Traditional Chinese Medicine Compound Library	L6710
Anti-COVID-19 Traditional Chinese Medicine Compound Library	L6720
Anti-Colorectal Cancer Traditional Chinese Medicine Compound Library	L6740
Chinese Pharmacopoeia Natural Product Library	L6800
Traditional Chinese Medicine Monomer Library	L6810
Rare Natural Compound Library	L6900

2.3 Natural Product Libraries for CADD

Selectable Natural Product Library	L6020
Natural Product Derivatives Library for CADD	L6030

● III Fragment Libraries

For various fragment-based drug design and new drug discovery.

3.1 General Fragment Libraries

Featured Fragment Library	L5700
High Solubility Fragment Library	L7800

3.2 Characteristic Fragment Libraries

High Solubility Polyfunctional Group Fragment Library	L7810
High Solubility Micro Fragment Library	L7820
High Solubility Pharmacophore Fragment Library	L7830
High Solubility FragLite Fragment Library	L7840
High Solubility 3D Diversity Fragment Library	L7850
Mini Electrophilic Heterocyclic Fragment Library	L7860
Carboxylic Acid Fragment Library With Solubility	L7870
Drug-Fragment Library	L8800

● IV Drug-Like Compound Libraries

For drug design and new drug discovery.

4.1 Compound Libraries for HTS/HCS

Mini Scaffold Library	L5600
Golden Scaffold Library	L5610

● V Custom Library

You can select compounds, quantities, format (dry/solid or DMSO), plate map, and concentration to meet your specific requirement.

Please contact us at inquiry@targetmol.com to customize your library.

Select



● II Natural Product Libraries

For cell induction research and the drug screening focused on unique natural structures along with new bioactivity.

2.1 General Natural Product Libraries

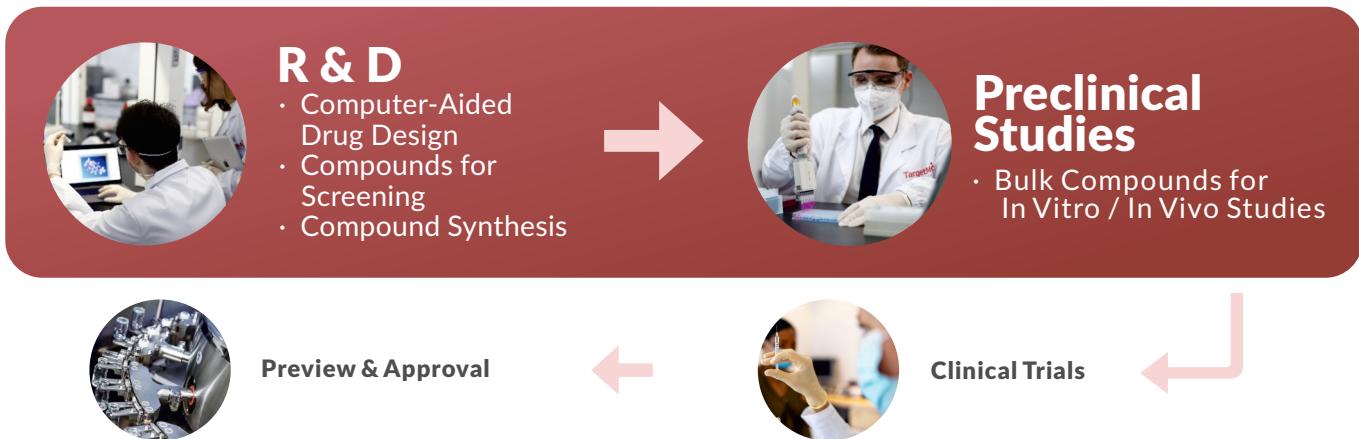
Natural Product Library for HTS	L6000
Natural Product Library	L6010

2.2 Characteristic Natural Product Libraries

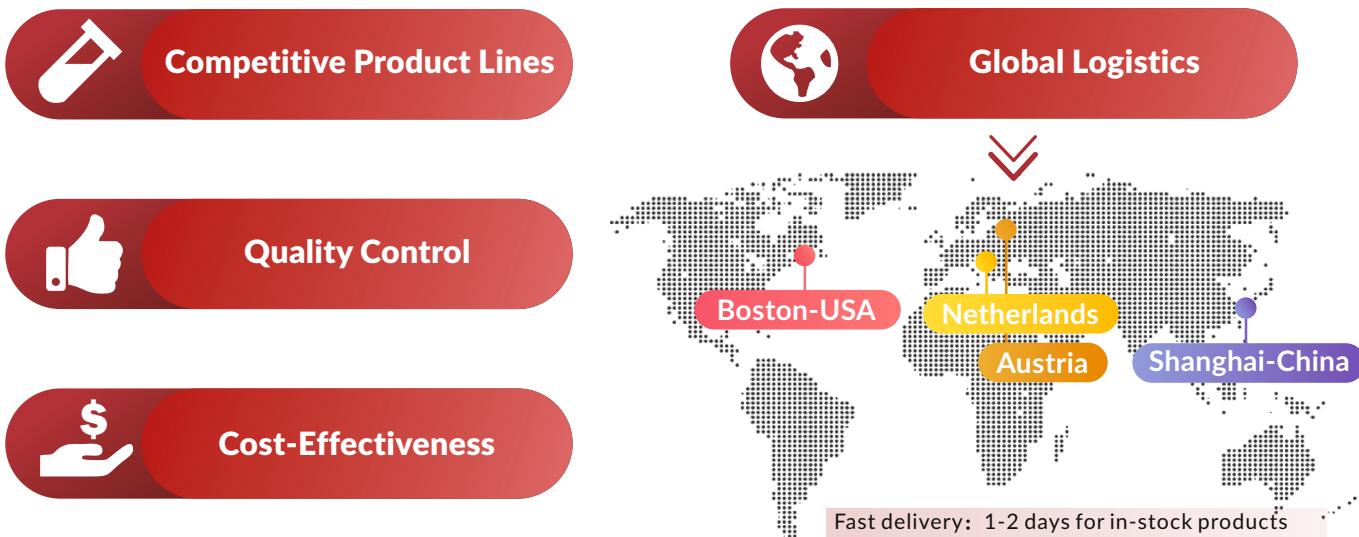
Human Endogenous Metabolite Library	L2500
Gut Microbial Metabolite Library	L2540
Selected Plant-Sourced Compound Library	L4600
Polyphenolic Natural Product Library	L6100
Alkaloid Natural Product Library	L6110
Flavonoid Natural Product Library	L6120
Terpene Natural Product Library	L6130
Saccharide and Glycoside Natural Product Library	L6140
Covalent Natural Product Library	L6150
RO5 Drug-like Natural Product Library	L6160
Yao Medicine Compound Library	L6200
Tibetan medicine Compound Library	L6210
Food as Medicine Compound Library	L6300
Marine Natural Product Library	L6400
Microbial Natural Product Library	L6500
Anti-Gastroenteritis Natural Product Library	L6600
Anti-infective Natural Product Library	L6610

TargetMol® Solutions for Drug Discovery

TargetMol® strives to accelerate the research & development process in drug discovery with our products and services



Why TargetMol® ?



Accreditations

This award was given to Targetmol by its fast increase in the number of citations in 2023.





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SCI	\$150 Amazon Gift Card or \$300 coupon	IF ≥ 10
SCI	\$100 Amazon Gift Card or \$200 coupon	5 ≤ IF < 10
SCI	\$50 Amazon Gift Card or \$100 coupon	1 ≤ IF < 5

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